

Editorial Note on Organic Chemistry

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Editorial Note

Organic chemistry is the study of the structure, properties, composition, reactions, and preparation of carbon-containing compounds, which include hydrogen (most compounds have at least one carbon–hydrogen bond), nitrogen, oxygen, halogens, phosphorus, silicon, and sulphur.

This branch of chemistry was once restricted to compounds formed by living organisms, but it has since expanded to include man-made materials including plastics. Organic compounds have a wide variety of applications, including but not limited to pharmaceuticals, petrochemicals, food, weapons, paints, and cosmetics.

Organic chemistry is a highly inventive science in which chemists design new molecules and investigate the properties of existing ones. Organic compounds can be found all over the place. In the rubber, plastics, petrol, pharmaceutical, cosmetics, detergent, coatings, dyestuff, and agrichemical industries, to name a few, they are critical to the United States' economic development. Organic compounds and their function in life processes are at the heart of biochemistry, biotechnology, and medicine.

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Organic chemists devote a significant amount of their time to discovering new compounds and improving existing ones.

Pharmaceutical, biotech, chemical, consumer goods, and petroleum industries all employ organic chemists at various levels. Chemists in industry work primarily on growth, while chemists in academia work on more fundamental research. Organic chemists are also employed by the federal government (e.g., the Food and Drug Administration, the Patent and Trademark Office), as well as state and local governments.